

Introduction

Introduction to the Eleventh Conference on Cancer Therapy with Antibodies and Immunoconjugates

David M. Goldenberg5499s

Session I: New Antibodies and Approaches

Moderators: Alan L. Epstein, Eric K. Rowinsky, and Robert M. Sharkey

Cell Cycle Disturbances and Mitotic Catastrophes in HeLa Hep2 Cells following 2.5 to 10 Gy of Ionizing Radiation

David Eriksson, Per-Olov Löfroth, Lennart Johansson, Katrine Åhlström Riklund, and Torgny Stigbrand5501s

The La Autoantigen Is a Malignancy-Associated Cell Death Target That Is Induced by DNA-Damaging Drugs

Fares Al-Ejeh, Jocelyn M. Darby, and Michael P. Brown5509s

In vivo Targeting of Dead Tumor Cells in a Murine Tumor Model Using a Monoclonal Antibody Specific for the La Autoantigen

Fares Al-Ejeh, Jocelyn M. Darby, Katherine Pensa, Kerrilyn R. Diener, John D. Hayball, and Michael P. Brown5519s

Bortezomib Sensitizes Non-Hodgkin's Lymphoma Cells to Apoptosis Induced by Antibodies to Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL) Receptors TRAIL-R1 and TRAIL-R2

Mitchell R. Smith, Fang Jin, and Indira Joshi5528s

Combination Treatment with TRA-8 Anti-Death Receptor 5 Antibody and CPT-11 Induces Tumor Regression in an Orthotopic Model of Pancreatic Cancer

Leo Christopher DeRosier, Donald J. Buchsbaum, Patsy G. Oliver, Zhi-Qiang Huang, Jeffrey C. Sellers, William E. Grizzle, Wenquan Wang, Tong Zhou, Kurt R. Zinn, Joshua W. Long, and Selwyn M. Vickers5535s

Review: Monoclonal Antibodies to the Vascular Endothelial Growth Factor Receptor-2 in Cancer Therapy

Hagop Youssoufian, Daniel J. Hicklin, and Eric K. Rowinsky5544s

IMC-A12, a Human IgG₁ Monoclonal Antibody to the Insulin-Like Growth Factor I Receptor

Eric K. Rowinsky, Hagop Youssoufian, James R. Tonra, Phillip Solomon, Douglas Burtrum, and Dale L. Ludwig5549s

CD74: A New Candidate Target for the Immunotherapy of B-Cell Neoplasms

Rhona Stein, M. Jules Mattes, Thomas M. Cardillo, Hans J. Hansen, Chien-Hsing Chang, Jack Burton, Serengulam Govindan, and David M. Goldenberg5556s

A Divalent Hapten-Peptide Induces Apoptosis in Human Non-Hodgkin Lymphoma Cell Lines Targeted by Anti-CD20 × Anti-Hapten Bispecific Antibodies

Pierre-Yves Brard, Habibe Karacay, Rhona Stein, Robert M. Sharkey, M. Jules Mattes, Chien-Hsing Chang, Edmund A. Rossi, William J. McBride, and David M. Goldenberg5564s

Session II: Pretargeting

Moderators: Jean-François F. Chatal and Oliver W. Press

Improved Tumor Targeting and Decreased Normal Tissue Accumulation through Extracorporeal Affinity Adsorption in a Two-Step Pretargeting Strategy

Linda Mårtensson, Rune Nilsson, Tomas Ohlsson, Hans-Olov Sjögren, Sven-Erik Strand, and Jan Tennvall5572s

Bispecific Antibody Pretargeting of Radionuclides for Immuno-Single-Photon Emission Computed Tomography and Immuno-Positron Emission Tomography Molecular Imaging: An Update

Robert M. Sharkey, Habibe Karacay, William J. McBride, Edmund A. Rossi, Chien-Hsing Chang, and David M. Goldenberg.....5577s

The Dock and Lock Method: A Novel Platform Technology for Building Multivalent, Multifunctional Structures of Defined Composition with Retained Bioactivity

Chien-Hsing Chang, Edmund A. Rossi, and David M. Goldenberg.....5586s

Pathology Underrates Colon Cancer Extranodal and Nodal Metastases; *Ex vivo* Radioimmunodetection Helps Staging

A. Sézeur, F.P. Châtelet, Ch. Cywiner, Cl. de Labriolle-Vaylet, C. Chastang, Cl. Billotey, M. Malafosse, D. Gallot, P. Betton, F. Montravers, S. Carvajal-Gonzalez, S. Askienazy, J.N. Talbot, J.D. Rain, G. Milhaud, G. Saumon, J. Barbet, and A. Gruaz-Guyon.....5592s

Pretargeted Radioimmunotherapy for B-Cell Lymphomas

Damian J. Green, John M. Pagel, Anastasia Pantelias, Nathan Hedin, Yukang Lin, D. Scott Wilbur, Ajay Gopal, Donald K. Hamlin, and Oliver W. Press.....5598s

Session III: Imaging and Therapy

Moderators: Steven M. Larson, Claude Meares, Stanley J. Goldsmith, and Richard L. Wahl

Radioimmunotherapy with α -Particle-Emitting ^{213}Bi -C-Functionalized *trans*-Cyclohexyl-Diethylenetriaminepentaacetic Acid-Humanized 3S193 Is Enhanced by Combination with Paclitaxel Chemotherapy

Marcus P. Kelly, Fook T. Lee, Kiki Tahtis, Fiona E. Smyth, Martin W. Brechbiel, and Andrew M. Scott5604s

Binding Activities and Antitumor Properties of a New Mouse/Human Chimeric Antibody Specific for GD2 Ganglioside Antigen

Nidia Alvarez-Rueda, Stéphanie Leprieur, Béatrice Clemenceau, Stéphane Supiot, Véronique Sébille-Rivain, Alain Faivre-Chauvet, François Davodeau, François Paris, Jacques Barbet, Jacques Aubry, and Stéphane Birklé5613s

Selective High-Affinity Ligand Antibody Mimics for Cancer Diagnosis and Therapy: Initial Application to Lymphoma/Leukemia

Rod Balhorn, Saphon Hok, Patricia A. Burke, Felice C. Lightstone, Monique Cosman, Adam Zemla, Gary Mirick, Julie Perkins, Arutselvan Natarajan, Michele Corzett, Sally J. DeNardo, Huguette Albrecht, Jeff P. Gregg, and Gerry L. DeNardo.....5621s

Comparative Evaluation of Capsular Polysaccharide-Specific IgM and IgG Antibodies and F(ab')₂ and Fab Fragments as Delivery Vehicles for Radioimmunotherapy of Fungal Infection

Ekaterina Dadachova, Ruth A. Bryan, Xianchun Huang, Geraldina Ortiz, Tiffany Moadel, and Arturo Casadevall5629s

Session IV: Clinical Therapy

Moderators: Louis Weiner, Ruby Meredith, and John P. Leonard

Phase I to III Trials of Anti-B Cell Therapy in Non-Hodgkin's Lymphoma

Peter Martin, Richard R. Furman, Morton Coleman, and John P. Leonard.....5636s

Brief Overview of Preclinical and Clinical Studies in the Development of Intraperitoneal Radioimmunotherapy for Ovarian Cancer

Ruby F. Meredith, Donald J. Buchsbaum, Ronald D. Alvarez, and Albert F. LoBuglio5643s

Intraoperative Avidination for Radionuclide Therapy: A Prospective New Development to Accelerate Radiotherapy in Breast Cancer

Giovanni Paganelli, Mahila Ferrari, Laura Ravasi, Marta Cremonesi, Concetta De Cicco, Viviana Galimberti, Gregory B. Sivolapenko, Alberto Luini, Rita De Santis, Laura Lavinia Travaini, Maurizio Fiorenza, Marco Chinol, Stefano Papi, Claudio Zanna, Paolo Carminati, and Umberto Veronesi.....5646s

A Phase I Study of ⁹⁰Yttrium-Ibritumomab-Tiuxetan in Children and Adolescents with Relapsed/Refractory CD20 Positive Non-Hodgkin's Lymphoma: A Children's Oncology Group Study

Erin Cooney-Quarter, Mark Krailo, Anne Angiolillo, Rashid A. Fawwaz, Gregory Wiseman, Lauren Harrison, Virginia Kohl, Peter C. Adamson, Janet Ayello, Carmella vande Ven, Sherrie L. Perkins, and Mitchell S. Cairo

5652s

About the Cover

A number of different topics were discussed at the 11th Conference. A new human antibody to the insulin-growth factor I receptor (IGF-IR), which can block downstream MAPK and P13/AKT pathways, was presented (A, Rowinsky *et al.* on page 5549s in this issue). This antibody shows promising anti-tumor activity in animal models alone and in combination with chemotherapy. Innovative antibody constructs, including selective high affinity ligand (SHAL) antibody mimics targeting HLA-DR10 (B, Balhorn *et al.* on page 5621s in this issue), and a new platform for preparing multivalent, multifunctional bispecific antibodies using a newly described Dock and Lock procedure (C, Chang *et al.* on page 5586s in this issue) were presented. Microscopic human colon cancer as small as 0.3 mm were disclosed in the lungs using microPET imaging, and autoradiography illustrated the selective uptake in the metastatic tumors (D, Sharkey *et al.* on page 5577s in this issue). Multivalent bispecific antibodies prepared by the Dock and Lock procedure were used in a pretargeting setting for targeting radionuclides (E, Sharkey *et al.* on page 5577s in this issue).

Clinical Cancer Research

13 (18)

Clin Cancer Res 2007;13:5646s-5497.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/13/18>

E-mail alerts [Sign up to receive free email-alerts](#) related to this article or journal.

Reprints and Subscriptions To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions To request permission to re-use all or part of this article, use this link
<http://clincancerres.aacrjournals.org/content/13/18>.
Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.